

***U.S. Naval Research Laboratory Statement of Work for
Insulation of the Dr. Alex Kasinoff Physical Scale Modeling
Facility***

- 1) A site visit will be required by the contractor to fully appreciate and understand the level of effort required to accomplish this work
- 2) Contractor will remove and dispose of all existing fiber ceiling insulation and foam exterior wall insulation.
- 3) Contractor will be required to protect all existing instrumentation, cover a 30 foot diameter, 55 thousand gallon test tank, protect all structural members, lighting fixtures, electronics, equipment and accessories by masking and covering all items, to avoid any overspray from closed-cell foam application
- 4) Contractor will apply approximately 2000 ft², 4.5 inches thick, Certaspray closed-cell foam insulation on the metal roof ceiling (R-30 factor)
- 5) Contractor will apply approximately 2200 ft², 2.5 inches thick, Certaspray closed-cell foam in all exterior metal walls between structural members (R-16 factor)
- 6) Contractor will apply a spray ignition barrier over all finished foam
- 7) Contractor will patch all external penetrations to deter any UV degradation of finished foam product
- 8) Contractor will apply approximately 200 ft² blown insulation to areas behind an existing wall between metal sheathing
- 9) Contractor will remove all protective coverings and job debris leaving a clean workspace

This installation will need to be completed in a timely fashion, 2-3 weeks